

# DUAL SWITCH

## Programable Audio Switcher



Dual Switch is extremely easy to program using the display and the encoder on the front panel.

Dual Switch is equipped with a system of By-pass passive (Relay) able to "bypass" directly to the control circuit and switching, connecting the main entrance (MAIN) at the output (OUT) in the event of failure of the device extended or in case of power failure (unless this option Back-Up).

Dual Switch is equipped with an auxiliary output stereo, on RCA pin connectors to allow any connection to recording devices and a monitor output MPX that replicates the output resulting from switching MPX.

Dual Switch is able to accept external commands normally closed or normally open, inputs are optically isolated, Dual Switch, through the Logic I/O port, provides commands optocoupled output that repeat the status of the switches and the internal audio Stereo MPX.

The state of the photocoupler output is normally open.



## Technical details

### Inputs Stereo ( Main, Sub)

Analog audio input configuration  
Input Impedance  
Common mode rejection  
Connectors

Electronically balanced Left & Right  
10 K $\Omega$   
Greater than 50 dB (30 Hz 15 KHz)  
XLR Female

### Output Stere

Analog audio output configuration  
Output level  
Connectors

Electronically balanced Left & Right  
As Input Level in Transparent Mode,  
XLR Male

### Inputs MPX ( Main, Sub)

configuration  
Composite input level  
Impedance  
Connector

Unbalanced  
0 dBu  
10 K $\Omega$   
BNC grounded to chassis

### Output MPX

MPX Output configuration  
Composite output level  
Connector

Unbalanced  
As Input Level in Transparent Mode  
BNC grounded to chassis

### Monitor Stereo Output

Output configuration  
Output level  
Output Impedance  
Connectors

Unbalanced  
As Input Level  
100  $\Omega$   
PIN RCA

### Monitor MPX Output

Output configuration  
Output level  
Output Impedance  
Connectors

Unbalanced  
As Input Level in Transparent Mode  
50  $\Omega$   
BNC grounded to chassis

### LOGIC INPUT

Configuration  
Typical Voltage input  
Max Reverse Voltage  
Connector

Opto-coupled (with internally 330  $\Omega$  protection)  
5 Vdc (for 10 mA input)  
5 Vdc  
DSUB 15 pole female

### LOGIC OUTPUT

Configuration  
Max Voltage  
Max Current  
Connector

Optic solid state relay  
50 Vac/dc  
100 mA  
DSUB 15 pole female

### RS232 SERIAL CONNECTION

Connector DSUB 9 pole female

### USB SERIAL INTERFACE

Connector USB B

### General Specifications

Stereo Separation degradation  
Distortion @ 1 KHz  
Signal to noise ratio  
Power requirement  
Consumption  
Power supply  
Dimension  
Weight  
Operating Temp.

< 1 dB  
< 0,01%  
< 85 dB (CCIR)  
90 - 264 V ~ 50 - 60 Hz  
4 W  
max power 8 W  
(WxHxD) 48,3 x 19,4 x 4,4 cm 1 rack unit  
2,5 Kg. (5.5 Lbs)  
0  $\div$  50 $^{\circ}$  C.

